

Key West Background Turbidity Field Sheet Station(s) E-KWT03-8

E-KWT03-8

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF EAH MGD
Calibration Date: 10/29/03

Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 0848 hrs on 10/27/03.

Downloaded File: E-KWT03-8-102703 Checked file content: Y or N Backed up file: Y or N
Many Power losses On WAP Server

HYDROLAB # _____ Deployed at Station E-KWT03- _____ at _____ hrs on _____/_____/03.

Turbidity Time: _____ *Time 13:30* Calibration Responses (NTU)
Calibration Standard PreCal PostCal ReCal-1 ReCal-2
(Circulator ON) DIW or Air 0.9
20 or _____ 25.2
Check Std 5 or _____ read only 5.5
50 (must be 3.75 to 6.25 or $\pm(5\%+1NTU)$) 60.2

End of Monitoring

Time Check- Hydrolab 13:29:10 Watch 14:29:12 Cleaned sensor: Yes or No

Created New File: E-KWT03- _____ IBP = 10.7V Battery used up ____/____/03

Programmed to start at _____ hrs on _____/_____/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)

Data Terminal Cap: Silicone applied: Y/N by _____ Cap burped: Y/N by _____

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Partly Cloudy

Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong

Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1-2 ft

Tidal Stage: Falling Slack Low Rising Slack High

Water Mass Boundary Present: Y/N Took pictures of tide change when water

Surface Current Direction (flowing to): N and Speed: masses mph were distinct.

Current Monitoring Buoy: _____	DGPS Serial No. _____	Track ID: _____
Time deployed _____ hrs,	Time retrieved _____ hrs	Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y/N _____		

Recent Ship Traffic: Y/N

Other Observations: Removed pipes * EST
GPS KW-8

Key West Background Turbidity Field Sheet Station(s) E-KWT03-8

E-KWT03-_____

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/27/03

Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 0930* hrs on 10/27/03.

Downloaded File: E-KWT03-8-102503 Checked file content: Y or N Backed up file: Y or N
Power failures with padding in place.

HYDROLAB # 37355 Deployed at Station E-KWT03-8 at 1015* hrs on 10/27/03.

Turbidity Calibration	Time: <u>0955</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>		
	<u>20</u> or _____	<u>19.7</u>	<u>22.3</u>		
Check Std	<u>5</u> or _____ read only	<u>5.7</u>	<u>4.9</u>		
<i>Slope Cal 50</i>	(must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	<u>45.5</u>	<u>49.6</u>		

Time Check- Hydrolab ____:____:____ Watch ____:____:____ Cleaned sensor: Yes or No
Created New File: E-KWT03-37355-8-102703 IBP = 11.1 V Battery used up 10/27/03 *Battery at 11.1V*
Programmed to start at 1010* hrs on 10/27/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y N by EAH Cap burped: Y N by EAH

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Sunny
Wind Direction: N NE E (SE) S SW W NW Wind Conditions: Calm Slight (Breezy) Strong
Sea State: Calm (Slightly Rough) Very Rough Approx. Wave Height: 1 ft
Tidal Stage: Falling Slack Low (Rising) Slack High
Water Mass Boundary Present: Y (N) No
Surface Current Direction (flowing to): N and Speed: _____ mph

Current Monitoring Buoy: _____	DGPS Serial No. _____	Track ID: _____
Time deployed _____ hrs,	Time retrieved _____ hrs	Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <u>Y</u> / <u>N</u>		

Recent Ship Traffic: Y / N Navy ship departed as we approached station

Other Observations: * EST

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E-KWT03-

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/25/03

Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 0810 hrs on 10/25/03.

Downloaded File: E-KWT03-8-102303 Checked file content: Y or N Backed up file: Y or N
Many power failures

HYDROLAB # 37355 Deployed at Station E-KWT03-8 at 0917 hrs on 10/25/03.

<u>Turbidity</u>	Time: <u>0850</u>	<u>Calibration Responses (NTU)</u>			
<u>Calibration</u>	Standard	PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>		
	<u>20</u> or	<u>20.2</u>	<u>20.9</u>		
Check Std	<u>5</u> or read only	<u>5.3</u>	<u>~4.4</u>	<u>varies 0.0-8.8</u>	
Slope (a) <u>50</u>	(must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	<u>5.67</u>	<u>50.0</u>	<u>varied from 6.8 to 10.2</u>	
Time Check- Hydrolab <u>08:58:38</u> Watch <u>08:58:40</u>		Cleansed sensor: <u>Yes</u> or <u>No</u>			
Created New File: <u>E-KWT03-8-102503</u>		IBP = <u>12.3 V</u> Battery used up <u>10/25/03</u>			
Programmed to start at <u>0910</u> hrs on <u>10/25/03</u> at 2-min. intervals.		(start times at 00, 10, 20, 30, 40, 50) <u>although IBP = 12.3</u>			
Data Terminal Cap: Silicone applied: <u>Y</u> or <u>N</u> by <u>EAH</u>		Cap burped: <u>Y</u> or <u>N</u> by <u>EAH</u>			

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Sunny w/ some clouds (slightly cloudy)
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slightly Rough Very Rough Approx. Wave Height: ~1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y or N
Surface Current Direction (flowing to): N and Speed: _____ mph

Current Monitoring Buoy: _____	DGPS Serial No. _____	Track ID: _____
Time deployed _____ hrs,	Time retrieved _____ hrs	Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <u>Y</u> or <u>N</u>		

Recent Ship Traffic: Y or N

Other Observations: Added padding to prevent bumping within 4" PVC pipe. Viewed sensor guard protruding from pipe. Use Duster to dry battery compartment. Changed Batteries, put silicone in between

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E-KWT03-

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/23/03

Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 1508 hrs on 10/23/03.

Downloaded File: E-KWT03-8-102103 Checked file content: Y or N Backed up file: Y or N
Many power failures

HYDROLAB # 37355 Deployed at Station E-KWT03-8 at 11720 hrs on 10/23/03.

Turbidity Calibration	Time: <u>1524</u>	Calibration Responses (NTU)				
		Standard	PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)						
		DIW or Air	<u>0.0</u>	<u>0.0</u>		
		<u>20</u> or <u> </u>	<u>20.7</u>	<u>19.6</u>		

Check Std 5 or read only 5.2 3.8-5.5 varies
Slope Cal 50 (must be 3.75 to 6.25 or $\pm(5\%+1NTU)$) 52.6 49.9 although battery = 10.1V

Time Check- Hydrolab 15:18:19 Watch 15:18:20 Cleaned sensor: Yes or No

Created New File: E-KWT03-8-102303 IBP = 10.3 V Battery used up 10/23/03

Programmed to start at 1610 hrs on 10/23/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)

Data Terminal Cap: Silicone applied Y or N by EAH Cap burped: Y or N by EAH

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Sunny

Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong

Sea State: Calm Slightly Rough Very Rough Approx. Wave Height: 1 ft

Tidal Stage: Falling Slack Low Rising Slack High

Water Mass Boundary Present: Y N

Surface Current Direction (flowing to): S and Speed: mph

Current Monitoring Buoy: DGPS Serial No. Track ID:

Time deployed hrs, Time retrieved hrs Nominal depth to drum top: ft

Obvious Cross Wind or Currents: Y or N

Recent Ship Traffic: Y N Lots of small boats

Other Observations: Need to repair coupling joint of protective pipe - may take longer than unit programmed start time. Will add more rebars.

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E-KWT03-_____

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/TWM/EAH/MGD
Calibration Date: 10/21/03

Retrieved HYDROLAB # 37355 from Station E-KWT03- at ~1030 hrs on 10/21/03.
Downloaded File: E-KWT03-8-101903 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03-8 at ~1112 hrs on 10/21/03.

Turbidity Calibration	Time: <u>1050</u>	Calibration Responses (NTU)			
		Standard	PreCal	PostCal	ReCal-1
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>		
	<u>20</u> or _____	<u>19.2</u>	<u>19.8</u>		
Check Std	<u>5</u> or _____ read only (must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	<u>3.7</u>	<u>5.0</u>		

w/ battery at 11.1V

Time Check- Hydrolab 10:50:00 Watch 10:49:59 Cleaned sensor: Yes or No
Created New File: E-KWT03-8-102103 IBP = 10.6 V Battery used up 10/21/03
Programmed to start at 1120 hrs on 10/21/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y N by TWM Cap burped: Y N by TWM

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Sunny
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: ~1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y N
Surface Current Direction (flowing to): S and Speed: _____ mph

Current Monitoring Buoy: _____ DGPS Serial No. _____ Track ID: _____
Time deployed 1020 hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N
Deployed near Station 8

Recent Ship Traffic: Y N

Other Observations: _____

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: _____
Calibration Date: _____

E-KWT03-

Retrieved HYDROLAB # _____ from Station E-KWT03- _____ at _____ hrs on ____/____/03.

Downloaded File: E-KWT03- _____ Checked file content: Y or N Backed up file: Y or N

HYDROLAB # _____ Deployed at Station E-KWT03- _____ at _____ hrs on ____/____/03.

<u>Turbidity Calibration</u> (Circulator ON)	Time: _____ Standard DIW or Air 20 or _____ 5 or _____ read only (must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std		_____	_____	_____	_____

Time Check- Hydrolab ____:____:____ Watch ____:____:____ Cleaned sensor: Yes or No

Created New File: E-KWT03- _____ IBP = _____ V Battery used up ____/____/03

Programmed to start at _____ hrs on ____/____/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)

Data Terminal Cap: Silicone applied: Y / N by _____ Cap burped: Y / N by _____

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: _____

Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong

Sea State: Calm Slight Rough Very Rough Approx. Wave Height: _____ ft

Tidal Stage: Falling Slack Low Rising Slack High

Water Mass Boundary Present: Y / N

Surface Current Direction (flowing to): _____ and Speed: _____ mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____

Time deployed 0851 hrs, Time retrieved _____ hrs Nominal depth to drum top: 10 ft

Obvious Cross Wind or Currents (Y) / N Boat drifting SW from buoy

Deployed between Station 8 and Fort Taylor 10/21/03

Recent Ship Traffic: Y / (N)

Other Observations: Turbidity standards made by EAH overseen by Tumi on 10-21-03
at 0715. 20 NTU standard was made using 10 ml of 4000 NTU Formazin Turbidity Standard
and 1990 ml of DIW. 5 NTU standard was made using 2 1/2 ml of 4000 NTU Formazin
KW-Bkgd Turb Fld Sht3.doc 10/17/03 and 1997 1/2 ml of DIW.

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E-KWT03-

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/TWM/MGD
Calibration Date: 10/19/03

Retrieved HYDROLAB # 37355 from Station E-KWT03- 8 at 1850 hrs on 10/19/03.
Downloaded File: E-KWT03-8-10/1703 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1003 hrs on 10/19/03.

<u>Turbidity</u> <u>Calibration</u>	Time: <u>0925</u>	Calibration Responses (NTU)			
	Standard	PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>		
	<u>20</u> or	<u>23.3</u>	<u>20.0</u>		
Check Std	<u>5</u> or read only	<u>4.8</u>	<u>5.0</u>		
(must be 3.75 to 6.25 or $\pm(5\%+1NTU)$)					

Time Check- Hydrolab 09:41:13 Watch 09:41:00 ^{Changed Batteries} Cleaned sensor: Yes or No
Created New File: E-KWT03-8-10/1903 IBP = 12.4 V Battery used up 10/19/03
Programmed to start at 1000 hrs on 10/19/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) ^{IBP = 12.2V}
Data Terminal Cap: Silicone applied: Y N by TWM Cap burped: Y N by TWM
^{Retrieved @ 9.05 to 9.85}
Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Clear
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: <1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y N Water from harbor meeting water from NW Channel
Surface Current Direction (flowing to): S and Speed: mph

Current Monitoring Buoy: <u> </u>	DGPS Serial No. <u> </u>	Track ID: <u> </u>
Time deployed <u> </u> hrs,	Time retrieved <u> </u> hrs	Nominal depth to drum top: <u> </u> ft
Obvious Cross Wind or Currents: <u>Y</u> / N <u> </u>		

Recent Ship Traffic: Y / N

Other Observations: Cruise ship at dock

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 8

E-KWT03- 8

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Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SAC/Twm/m6D
Calibration Date: 10/17/03

Retrieved HYDROLAB # 37355 from Station E-KWT03- 8 at 0930 hrs on 10/17/03.
Downloaded Filename: E-KWT03-8-101503 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1215 hrs on 10/17/03.

<u>Turbidity</u>	Time: <u>1106</u>	<u>Calibration Responses (NTU)</u>			
<u>Calibration</u>	Standard	PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	DIW or Air	<u>0.5</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
	50 or <u>20</u>	<u>17.0</u>	<u>17.5 for 18 cal</u>	<u>18.6 @ 20</u>	
Check Std	5 or _____ read only	<u>6.4</u>		<u>4.9</u>	
	(must be 3.75 to 6.25 or ±(5%+1NTU))				

Time Check- Hydrolab 6.25: _____ Watch _____: _____: _____ Cleaned sensor: Yes or No
Created New File: E-KWT03-8-101703 IBP = 10.5 V Battery used up _____/_____/03. NOT WORKING
Programmed to start at 1230 hrs on 10/17/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y N by Twm Cap burped: Y / N by Twm

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: RAINY
Wind Direction: N NE SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 4 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): _____ and Speed: _____ mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y / N CRUISE SHIP IN AT TIME OF CALIB.

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 8

E-KWT03- 8

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SIAC, TWM, MGD
Calibration Date: 10/15/03

Retrieved HYDROLAB # 37355 from Station E-KWT03- 8 at 1100 hrs on 10/15/03.
Downloaded Filename: E-KWT03-8-101303 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1145 hrs on 11/15/03.

Turbidity Calibration	Time: <u>1115</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	DIW or Air	<u>1.1-1.2</u>	<u>0.0</u>	<u>0.0</u>	
	50 or <u>20</u>	<u>18.8</u>	<u>20.1</u>		
Check Std	5 or _____ read only (must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	<u>4.4</u>	<u>4.4</u>		

Time Check- Hydrolab 695 : _____ Watch _____ : _____ : _____
Cleaned sensor: Yes or No
Created New File: E-KWT03-8-101503 IBP = 10.2 V Battery used up 10/15/03. NOT working
Programmed to start at 1150 hrs on 10/15/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y / N by TWM Cap burped: Y / N by TWM

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Windy - Cloudy
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1-2 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): _____ and Speed: _____ mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y / N _____

Other Observations: _____

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Project Number: 03-7333-03
Field Team Members: TEB, SAC, TWM, ONH
Calibration Date: 10/13/03

Retrieved HYDROLAB # 37355 from Station E-KWT03- 8 at 1204 hrs on 10/13/03.
Downloaded Filename: E-KWT03-8-10103 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1236 hrs on 10/13/03.

Turbidity Calibration	Time: <u>12:10</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	
	50 or <u>20</u>	<u>199-20.1</u>	<u>20.5-20.1</u>		
Check Std	<u>5</u> or _____ read only (must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	<u>3.0-3.1</u>	<u>4.0</u>		

Time Check- Hydrolab CPS Watch _____:_____:_____
Cleansed sensor: Yes or No
Created New File: E-KWT03-8-101703 IBP = 11.1 V Battery used up WRTN 03.
Programmed to start at 1240 hrs on 10/13/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y/N by SAC Cap burped: Y/N by SAC

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: NA hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: CLEAR & SUNNY
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: <1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y/N
Surface Current Direction (flowing to): NONE and Speed: 0 mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y/N

Recent Ship Traffic: Y/N

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03-8

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Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, ONH
Calibration Date: TFB 10/11/03

E-KWT03-8

Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 1012 hrs on 10/11/03.
Downloaded Filename: E-KWT03-8-10090 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03-8 at 1041 hrs on 10/11/03.

Turbidity Calibration	Time: <u>1020</u>	Calibration Responses (NTU)			
		Standard	PreCal	PostCal	ReCal-1
(Circulator ON)	DIW or Air	<u>0.0</u>	<u>0.0</u>		
	50 or <u>20</u>	<u>21.1-3.8-4.0</u>	<u>19.8</u>		
Check Std	5 or _____ read only	<u>3.8-4.0</u>	<u>5.6-5.8</u>		
(must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)					

Time Check- Hydrolab GPS ✓ Watch _____:_____:_____
Cleaned sensor: (Yes) or No
Created New File: E-KWT03-8-101103 IBP = 12.3 V Battery used up 11/3/03.
Programmed to start at 1050 hrs on 10/11/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: (Y) N by TFB Cap burped: (Y) / N by TFB

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: PARTLY CLOUDY
Wind Direction: N NE E (SE) S SW W NW Wind Conditions: Calm (Slight) Breezy Strong
Sea State: (Calm) Slight Rough Very Rough Approx. Wave Height: < 1 ft
Tidal Stage: Falling Slack Low (Rising) Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): N and Speed: 1-2 mph

Current Monitoring Buoy: _____ DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <u>Y</u> / N _____

Recent Ship Traffic: Y / N _____

Other Observations: Changed batteries, power loss message

Key West Background Turbidity Field Sheet Station(s) E-KWT03-8

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, DWH
Calibration Date: 10/9/03

E-KWT03- 8

Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 0920 hrs on 10 / 9 / 03.
Downloaded Filename: E-KWT03-8-100703 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03-8 at 0950 hrs on 10 / 9 / 03.

<u>Turbidity</u> <u>Calibration</u> (Circulator ON)	Time: <u>0930</u> Standard <u>DIW</u> or Air 50 or <u>20</u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	<u>5</u> or <u>read only</u> (must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	<u>0.0</u> <u>19.1</u>	<u>0.0</u> <u>19.8-20.1</u> <u>4.7-5.0</u>	<u>0.0</u>	

Time Check- Hydrolab GPS ✓ Watch : : Cleaned sensor: Yes or No
Created New File: E-KWT03-8-100903 IBP = 10.9 V Battery used up + / 03.
Programmed to start at 0950 hrs on 10 / 9 / 03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y / N by TFB Cap burped: Y / N by TFB

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: NH hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: CLEAR
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1-2 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): N and Speed: < 1 mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N

Recent Ship Traffic: Y / N Cruise ship Magask came in just prior to servicing

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 8

E-KWT03- 8

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity

Project Number: 03-7333-03

Field Team Members: TFB, ONK

Calibration Date: 10/6/03

NEW
Deployment

Retrieved HYDROLAB # _____ from Station E-KWT03- _____ at _____ hrs on ____/____/03.

Downloaded Filename: _____ Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1035 hrs on 10 / 7 /03.

Turbidity Calibration (Circulator ON)	Time: <u>1136</u> Standard <u>DIW</u> or Air <u>50</u> or _____ Check Std <u>50</u> or _____ read only (must be 3.75 to 6.25 or $\pm(5\%+1\text{NTU})$)	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1 <u>POST CHECK</u>	ReCal-2
		<u>0.7</u>	<u>0.0</u>	<u>0.0</u>	
		<u>50.1</u>	<u>50.1-56.2</u>		
			<u>5.4</u>		

Time Check- Hydrolab GPS SET Watch ____:____:____ Cleaned sensor: Yes or No

Created New File: E-KWT03-8-100703 IBP = 12.2 V Battery used up + /03.

Programmed to start at 1040 hrs on 10 / 7 /03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)

Data Terminal Cap: Silicone applied: N by TFB Cap burped: N by TFB

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: NA hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: PARTLY CLOUDY

Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong

Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 0.5 ft

Tidal Stage: Falling Slack Low Rising Slack High

Water Mass Boundary Present: Y / N

Surface Current Direction (flowing to): SW and Speed: 1.5-2.0 mph

Current Monitoring Buoy: _____	DGPS Serial No. _____	Track ID: _____
Time deployed _____ hrs,	Time retrieved _____ hrs	Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <u>Y</u> / <u>N</u>		

Recent Ship Traffic: Y / N

Other Observations: RESET CLOCK TO DGPS TIME